

Amendments to the Abstract:

Please replace entire page containing the Abstract with the following amended Abstract:

ABSTRACT OF THE DISCLOSURE

A device for protecting against arcing events solar array panels and control equipment supplying a main power bus is provided. The control equipment comprises a regulator for controlling a solar array voltage (V_s) and includes a power dump stage for shunting the solar array voltage as a function of a control signal. The device comprises a voltage drop detection circuit for generating a voltage drop detection signal (V_D) when a voltage drop is detected in the solar array voltage (V_s), and an arc-quenching circuit comprising a system for generating an output signal (V_O) which is applied as the control signal to the power dump stage so as to shunt the solar array voltage (V_s) when a voltage drop is detected by the voltage drop detection circuit.